



OFFICE MEMORANDUM

DATE: July 31, 2000

TO: Region Engineers
Region Associate Delivery Engineers
Region Construction Engineers
Resident/Project Engineers/TSC Managers

FROM: C. Thomas Maki
Chief Operations Officer

Gary D. Taylor
Chief Engineer/Deputy Director
Bureau of Highway Technical Services

SUBJECT: Bureau of Highway Instructional Memorandum 2000-16
Bituminous Mixture Sampling Qualifications

The procedure outlined on the attached checklist(s) is to be used to qualify MDOT and consultant technicians for sampling bituminous mixture from transport trucks or behind the paver. This procedure, which has been approved by FHWA and is in compliance with 23CFR637, is effective immediately. The qualification period is one year and applies to all MDOT projects.

Each region's traveling mix inspector will coordinate the required qualifications, provide training videos and written procedures, and issue the completed documentation.

Please contact Mike Frankhouse at 517-322-5672, if you have any questions.

Chief Operations Officer

Chief Engineer/Deputy Director
Bureau of Highway Technical Services

BOHTS:C/T:MF:kab

Attachments

Index: Bituminous

cc: C&T Staff
Real Estate, M. Frierson
Design Division, P. Miller
Maintenance Division, C. Roberts
Traffic & Safety Division, J. O'Doherty
C&T Division, J. Culp
OEO - A. Suber
J. Klee
R. Knapp
V. Blaxton
B. Jay

K. Trentham
MRBA
MAPA
MCPA
MCA
MAA
AUC
CRAM
MRPA

Truck Hauling Units Method (Transport Truck) - Qualification

Sampling Method Checklist

	Yes	No
1. Watch sampling from trucks video		
2. Review ASTM 979D		
3. Random sample (tonnage) correctly selected using approved random system		
4. Minimum of three (3) approximately equal increments collected from hauling unit using a scoop or shovel		
5. Required to dig down six (6) inches, scraping off fines and work from open face ledge		
6. Sample of sufficient size to provide required number of splits to perform testing.		
7. This combined sample shall now be split or quartered with the appropriate equipment for the samples that are needed on a specific project. (Note: Sample splitter shall be level when splitting samples.)		
8. Samples properly identified		
9. Sampling equipment acceptable		
10. Other		

Candidate Technician _____

Qualified Technician _____

Date _____

Behind the Paver Method - Qualification

Sampling Method Checklist

	Yes	No
1. View MDOT video on sampling from behind the laydown machine.		
2. Review MTM -324		
3. Random sample(tonnage/location) correctly selected.		
4. Sampling plates laid out safely in advance of the paving operation and according to MTM-324.		
5. Mixture plates and templates with mixture removed from the roadway placed in a safe location.		
6. Hot bituminous mixture shall be gathered in metal buckets. These shall contain enough material to fill voids in the pavement. (Note: This step accomplished by contractor.)		
7. Mixture shall be leveled to eliminate any evidence of mixture sample being removed from the roadway. Also mixture shall be leveled to provide a smooth surface. (Note: This step accomplished by contractor.)		
8. Mix inside of templates are combined and transferred to sample container for all templates used.		
9. This combined sample shall now be split with the appropriate splitter for the samples that are needed on a specific project. (Note: sample splitter shall be level when splitting samples.)		
10. Samples properly identified .		
11. Sampling equipment cleaned and maintained after sampling is complete.		
12. Distribution of samples to receiving parties.		

Candidate Technician _____

Qualified Technician _____

Date _____